

## FAILOVER SYSTEM AND METHOD FOR CLUSTER ENVIRONMENT

### ABSTRACT OF THE DISCLOSURE

A failover method and system is provided for a computer system having at least three nodes operating as a cluster. One method includes the steps of detecting failure of one node, determining the weight of at least two surviving nodes, and assigning a failover node based on the determined weights of the surviving nodes. Another method includes the steps detecting failure of one node and determining the time of failure, and assigning a failover node based in part on the determined time of failure. This method may also include the steps of determining a time period during which nodes in the cluster are heavily utilized, and assigning a failover node that is not heavily utilized during that time period.